

WN 1.0044 or DIN St44

1. Chemical Composition

C	Mn	P	S	Al	N
≤ 0.21	≤ 1.5	≤ 0.045	≤ 0.045	≥ 0.02	≤ 0.009

2. Mechanical Properties

Yield stress (Mpa)	UTS (MPa)	Elongation (%)	A (%)	Impact E (J)	Hardness (HB)
Min 205	380-580	Min 12	-	Min 23	160-245

3. Heat Treatment

Row	Heat treatment type	Temp. Range °C
1	Normalizing	-
2	Annealing	-
3	Quenching	-
4	Tempering	-
5	Hot Work	-

4. Applicable Standards

EU EN	USA UNS	Japan JIS	France AFNOR	England BS	Russia GOST
Fe42B1FN	K02702	STKM12A	S235JR	S235JR	St4ps
Italy UNI	China GB	Sweden SS	Poland PN	Czechia CSN	Inter ISO
FE360B	Q255A	1311	St3S	11443	-